

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A planar antenna assembly mounted on a substrate, said assembly including a monopole element and at least one parasitic element grounded to an adjacent ground plane and located proximate the monopole element, characterised in that the assembly includes a planar conductive member located on a reverse side of the substrate relative to the monopole element and adapted to function as a signal feed for the antenna.

2. (canceled)

3. (currently amended) An assembly according to claim [[2]] 1, wherein the conductive member underlies at least a portion of the monopole element.

4. (previously presented) An assembly according to claim 3, wherein the conductive member underlies a portion of the monopole element adjacent the ground plane and a portion of the ground plane.

5. (previously presented) An assembly according to claim 3, wherein the conductive member further underlies a part of the, or each, parasitic element.

6. (previously presented) An assembly according to claim 1, wherein the conductive member is a conductive metallic patch.

7. (previously presented) An assembly according to claim 6, wherein the conductive patch is electrically coupled to a feed connector.

8. (previously presented) An assembly according to claim 7, wherein the conductive member corresponds to the feed connector of the antenna.

9. (original) An assembly according to claim 8, wherein the feed connector is a SMA connector.

10. (previously presented) An assembly according claim 1, wherein the, or each, parasitic element is substantially rectangular with its long axis extending substantially parallel to the monopole element.

11. (previously presented) An assembly according to claim 1, wherein the, or a, parasitic element extends from the ground plane towards the monopole element.

12. (previously presented) An assembly according to claim 11, including a second grounded element extending from the ground plane towards the monopole element.

13. (previously presented) An assembly according to claim 12, wherein the first and second grounded elements are of different lengths.

14. (previously presented) An assembly according to claim 12, wherein the first and second grounded elements extend at different angles in a direction towards the monopole element.

15. (previously presented) An assembly according to claim 1, wherein the monopole element is provided with a waist portion.

16. (previously presented) An assembly according to claim 1, wherein the monopole element is tuned to operate in a frequency band of substantially 880 MHz to 2,500 MHz.

17. (previously presented) An assembly according to claim 1, wherein the monopole element is tuned to operate in a band of frequencies covering the GSM and Bluetooth/IEEE 802.11b bands.

18. (previously presented) An assembly according to claim 1, including switching means operable to switch between a plurality of sub-bands within the operating band of the monopole element.

19. (previously presented) An assembly according to claim 18, wherein the switching means is operable to provide substantially continuous operation in the or a wireless networking band and selective operation in other wireless bands.

20. (previously presented) A computing or information device including an antenna assembly according to claim 1.